

The following Listing of the Claims will replace all prior versions and all prior listing of the claims in the present application:

Listing of the Claims:

Claims 1-18, 20 and 30-41 are cancelled.

19. (Currently Amended) A method of isolating a stem cell from a pancreatic islet of Langerhans, comprising the steps of:

- (a) removing a pancreatic islet from a donor;
- (b) culturing cells from the pancreatic islet under conditions wherein said cultured cells comprise nestin-positive cells which have migrated from said islet;
- (c) and selecting a said nestin-positive ~~elone~~ cells from the culture.

21. (Original) The method of claim 19 comprising the additional step of:

(d) expanding the nestin-positive cells [clone] by treatment with an agent selected from the group consisting of EGF, bFGF-2, high glucose, KGF, HGF/SF, GLP-1, exendin-4, IDX-1, a nucleic acid molecule encoding IDX-1, betacellulin, activin A, TGF- β , and combinations thereof.

22. (Currently Amended) A method of inducing the differentiation of [a] an isolated nestin-positive pancreatic stem cell into a pancreatic progenitor cell, comprising the step of:

treating a nestin-positive pancreatic stem cell with an agent selected from the group consisting of EGF, bFGF-2, high glucose, KGF, HGF/SF, IDX-1, a nucleic acid molecule encoding IDX-1, GLP-1, exendin-4, betacellulin, activin A, TGF- β , and combinations thereof, whereby the stem cell subsequently differentiates into a pancreatic progenitor cell.

23. (Original) The method of claim 22, wherein the pancreatic progenitor cell subsequently forms pseudo-islet like aggregates.

24. (Original) An isolated, nestin-positive human pancreatic or liver stem cell that is not a neural stem cell.

25. (Original) The isolated stem cell of claim 24 that differentiates to form insulin-producing beta cells.

26. (Original) The isolated stem cell of claim 24 that differentiates to form glucagon-producing alpha cells.

27. (Original) The isolated stem cell of claim 24 that differentiates to form pseudo-islet like aggregates.

28. (Original) The isolated stem cell of claim 24 that differentiates to form hepatocytes.

29. (Original) The isolated stem cell of claim 24 that does not express class I MHC antigens.

42. (New) The method of claim 19, wherein said migrated cells from step b form a monolayer.

43. (New) A method of isolating a stem cell from a pancreatic islet of Langerhans, comprising the steps of:

- (a) removing a pancreatic islet from a donor;
- (b) culturing cells from the pancreatic islet in a first vessel coated with concanavalin A;
- (c) transferring cells from step (b) to a second vessel not coated with concanavalin A;
- (d) culturing cells from step (c) in said second vessel to produce a cell culture;
- (e) selecting a nestin-positive cell from step (d) to produce an isolated stem cell.

44. (New) The isolated nestin-positive human pancreatic stem cell, wherein said stem cell is isolated by the method of claim 19 or claim 43.